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Notice of Allowability	Application No.	Applicant(s)	
	10/542,531	DETINKIN ET AL.	
	Examiner	Art Unit	
	Tri T. Ton	2877	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment and remarks/arguments filed on 04/05/2007.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

DETAILED ACTION

1. This is a response to the amendment and remarks/arguments filed on 04/05/2007.
2. Claims 1-23 are allowed.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stuart J. Friedman on 05/23/2007.

4. Old abstract filed on 07/15/05 has been deleted and being substituted by the following:

Abstract:

--A method for the optical inspection of a transparent protective layer and a colored patterned surface which is at least partially covered by the transparent protective layer involves providing a source of illumination and an imaging sensor associated with the source of illumination and illuminating the protective layer with light emitted by the source of illumination in order to recognize defective places inside and beneath the transparent protective layer. The source of illumination emits light in the shortwaved range which is at least partially diffuse and the light striking the surface penetrates at least partially into the protective layer and is scattered at the defective places. Light scattered from the defective places is picked up by the imaging

Art Unit: 2877

sensor and the defective places are recognized by the local increase in the intensity of the light picked up by the imaging sensor in the area of the defective places.--

Allowable Subject Matter

5. The allowable Subject matter was indicated in office Action mailed on 01/17/2007.

The following is a statement of reasons for the indication of allowable subject matter:

As claims 1, and 18, the prior art of record taken alone or in combination, fails to disclose or render obvious "*defective places inside and beneath the transparent protective layer, illumination emitting shortwaved light, and partially diffuse*" in combination with the rest of the limitations of claims 1, and 18.

As claim 5, the prior art of record taken alone or in combination, fails to disclose or render obvious "*defective places inside and beneath the transparent protective layer, illumination emitting shortwaved light, and illumination being imaged in the form of a line on the surface of the transparent protective layer and the widening of the line caused by the back-scattered light* " in combination with the rest of the limitations of claim 5.

As claims 6, and 19, the prior art of record taken alone or in combination, fails to disclose or render obvious "*defective places inside and beneath the transparent protective layer, illumination emitting shortwaved light, and a second source of illumination that emits light at a first wavelength that excites the protective layer to fluoresce with light at a second wavelength that is different from the first wavelength* " in combination with the rest of the limitations of claims 6, and 19.

Art Unit: 2877


The dependent claims 2-4, 7-17, and 20-23 are allowed by virtue of their dependence upon claims 1, 5, 6, 18, and 19.

Fax/Telephone Information

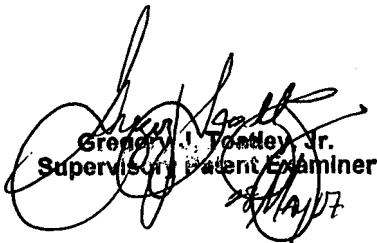
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tri T. Ton whose telephone number is (571) 272-9064. The examiner can normally be reached on 10:30am - 7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on (571) 272-2059. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



May 23, 2007
Examiner Tri Ton/SN



Gregory J. Toatley, Jr.
Supervisory Patent Examiner

Art Unit 2877
Technology Center 2800